

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```
LL      NN      NN      000000      NN      NN      CCCCCCCC      TTTTTTTTTT      GGGGGGGG
LL      NN      NN      000000      NN      NN      CCCCCCCC      TTTTTTTTTT      GGGGGGGG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NNNN      NN      00      00      NNNN      NN      CC      TT      GG
LL      NNNN      NN      00      00      NNNN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LL      NN      NN      00      00      NN      NN      CC      TT      GG
LLLLLLLLLL      NN      NN      000000      NN      NN      CCCCCCCC      TTTT      GGGGGG
LLLLLLLLLL      NN      NN      000000      NN      NN      CCCCCCCC      TTTT      GGGGGG
```

```
LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

```
0001 0 %TITLE 'EDT$LNONCTG - test for non-contiguous range'
0002 0 MODULE EDT$LNONCTG (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Test for a non-contiguous range.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 10-MAR-81. This module was created by
0045 1 extracting the routine EDT$STST_NONCNTGRNG from EXEC.BLI.
0046 1 1-002 - Regularize headers. JBS 20-Mar-1981
0047 1 1-003 - Use new message codes. JBS 04-Aug-1981
0048 1 1-004 - Improve the appearance of the listing. JBS 14-Jun-1983
0049 1 --
0050 1
```



EDT\$NONCTG  
V04-000

EDT\$NONCTG - test for non-contiguous range  
Declarations

C 5  
16-Sep-1984 00:53:50  
14-Sep-1984 12:23:37

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]LNONCTG.BLI;1 Page 2  
(2)

```
.. 52 0051 1 XSBTTL 'Declarations'
.. 53 0052 1
.. 54 0053 1 TABLE OF CONTENTS:
.. 55 0054 1
.. 56 0055 1
.. 57 0056 1 REQUIRE 'EDTSRC:TRAROUNAM';
.. 58 0495 1
.. 59 0496 1 FORWARD ROUTINE
.. 60 0497 1 EDT$STST_NONCNTGRNG;
.. 61 0498 1
.. 62 0499 1
.. 63 0500 1 INCLUDE FILES:
.. 64 0501 1
.. 65 0502 1
.. 66 0503 1 REQUIRE 'EDTSRC:EDTREQ';
.. 67 0638 1
.. 68 0639 1
.. 69 0640 1 MACROS:
.. 70 0641 1
.. 71 0642 1 NONE
.. 72 0643 1
.. 73 0644 1 EQUATED SYMBOLS:
.. 74 0645 1
.. 75 0646 1 NONE
.. 76 0647 1
.. 77 0648 1 OWN STORAGE:
.. 78 0649 1
.. 79 0650 1 NONE
.. 80 0651 1
.. 81 0652 1 EXTERNAL REFERENCES:
.. 82 0653 1
.. 83 0654 1 In the routine
```

```

85 0655 1 %SBTTL 'EDT$$TST_NONCNTGRNG - test for non-contiguous range'
86 0656 1
87 0657 1 GLOBAL ROUTINE EDT$$TST_NONCNTGRNG (          ! Test for non-contiguous range
88 0658 1     RANGE                                     ! The range to test
89 0659 1     ) =
90 0660 1
91 0661 1 !++
92 0662 1 FUNCTIONAL DESCRIPTION:
93 0663 1
94 0664 1     This routine takes a range node and determines whether or not it
95 0665 1     defines a contiguous range. The range is non-contiguous if it is
96 0666 1     a ALL or if the next range field is non-zero, indicating and AND.
97 0667 1
98 0668 1 FORMAL PARAMETERS:
99 0669 1
100 0670 1     RANGE                      The range to test
101 0671 1
102 0672 1 IMPLICIT INPUTS:
103 0673 1
104 0674 1     NONE
105 0675 1
106 0676 1 IMPLICIT OUTPUTS:
107 0677 1
108 0678 1     NONE
109 0679 1
110 0680 1 ROUTINE VALUE:
111 0681 1
112 0682 1     0 = range is contiguous, 1 = range is non-contiguous
113 0683 1
114 0684 1 SIDE EFFECTS:
115 0685 1
116 0686 1     Prints a message if the range is non-contiguous.
117 0687 1     Calls itself recursively if the range refers to a buffer.
118 0688 1
119 0689 1 --
120 0690 1
121 0691 2 BEGIN
122 0692 2
123 0693 2 EXTERNAL ROUTINE
124 0694 2     EDT$$FMT_MSG;
125 0695 2
126 0696 2 MESSAGES ((RANNONCON));
127 0697 2
128 0698 2 MAP
129 0699 2     RANGE : REF NODE_BLOCK;
130 0700 2
131 0701 2 IF ((.RANGE [RAN_TYPE] EQL RAN_ALL) OR (.RANGE [NEXT_RANGE] NEQ 0))
132 0702 2 THEN
133 0703 2     BEGIN
134 0704 2         EDT$$FMT_MSG (EDT$_RANNONCON);
135 0705 2         RETURN (T);
136 0706 2     END
137 0707 2 ELSE
138 0708 2 !+
139 0709 2     If is is a buffer range, we better look at the range below it.
140 0710 2
141 0711 2
```

EDT\$NONCTG  
V04-000

EDT\$NONCTG - test for non-contiguous range  
EDT\$\$TST\_NONCNTGRNG - test for non-contiguous

E 5  
16-Sep-1984 00:53:50  
14-Sep-1984 12:23:37

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]LNONCTG.BLI;1 Page 4 (3)

```

: 142      0712 3      IF (.RANGE [RAN_TYPE] EQL RAN_BUFFER)
: 143      0713 2      THEN
: 144      0714 2      RETURN (EDT$$TST_NONCNTGRNG (.RANGE [RANGE1]))
: 145      0715 2      ELSE
: 146      0716 2      RETURN (0);
: 147      0717 2
: 148      0718 1      END;
```

! of routine EDT\$\$TST\_NONCNTGRNG

.TITLE EDT\$NONCTG EDT\$NONCTG - test for non-contiguous range

.IDENT \V04-000\

.EXTRN EDT\$\$FMT\_MSG, EDT\$\_RANNONCON

.PSECT \_EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$\$TST\_NONCNTGRNG, Save R2

```

MOVL RANGE, R2      : 0657
CMPB 1(R2), #19      : 0701
BEQL 1$
TSTL 16(R2)
BEQL 2$
PUSHL #EDT$_RANNONCON : 0704
CALLS #1, EDT$$FMT_MSG
MOVL #1, R0          : 0712
RET
CMPB 1(R2), #13
BNEQ 3$
PUSHL 4(R2)          : 0714
CALLS #1, EDT$$TST_NONCNTGRNG
RET
CLRL R0              : 0716
RET                  : 0718
```

; Routine Size: 51 bytes, Routine Base: \_EDT\$CODE + 0000

```

: 149      0719 1
: 150      0720 1 !<BLF/PAGE>
```



EDT\$LNONCTG  
V04-000

EDT\$LNONCTG - test for non-contiguous range  
EDT\$TST\_NONCNTGRNG - test for non-contiguous

F 5  
16-Sep-1984 00:53:50  
14-Sep-1984 12:23:37

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[EDT.SRC]LNONCTG.BLI;1

Page 5  
(4)

: 152  
: 153  
: 154  
0721 1 END  
0722 1  
0723 0 ELUDOM

! of module EDT\$LNONCTG

# PSECT SUMMARY

Name Bytes Attributes  
\_EDT\$CODE 51 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

## Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	52	13	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

## COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:LNONCTG/OBJ=OBJ\$:LNONCTG MSRC\$:LNONCTG.BLI/UPDATE=(ENH\$:LNONCTG)

: Size: 51 code + 0 data bytes  
: Run Time: 00:10.0  
: Elapsed Time: 00:13.2  
: Lines/CPU Min: 4333  
: Lexemes/CPU-Min: 12953  
: Memory Used: 68 pages  
: Compilation Complete



0136

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